

BRUHAT BANGALORE MAHANAGARA PALIKE									
NAME OF WORK :Improvements to roads and drains at Valmiki Maharshi road, AD Colony, Munithamayya layout cross roads and surrounding area in Ward No. 01 of Yelahanka Sub division									
MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.01		Removing and refixing stone slabs of drains and pointing in CM (1:3). and the directions of Engineer in-charge							
Measurement Recorded on									
		Munithimmayya layout							
		LHS							
8	13		Sqm	1	5.00	0.75		3.75	
22	28		Sqm	1	6.00	0.75		4.50	
45	49		Sqm	1	4.00	0.75		3.00	
76	83		Sqm	1	7.00	0.75		5.25	
94	99		Sqm	1	5.00	0.75		3.75	
105	113		Sqm	1	8.00	0.75		6.00	
133	141.2		Sqm	1	8.20	0.75		6.15	
148	152		Sqm	1	4.00	0.75		3.00	
154	159		Sqm	1	5.00	0.75		3.75	
158	172		Sqm	1	14.00	0.75		10.50	
173	184		Sqm	1	11.00	0.75		8.25	
190	193		Sqm	1	3.00	0.75		2.25	
194	214		Sqm	1	20.00	0.75		15.00	
216	232		Sqm	1	16.00	0.75		12.00	
		RHS							
2	9		Sqm	1	7.00	0.75		5.25	
33	42		Sqm	1	9.00	0.75		6.75	
52	69		Sqm	1	17.00	0.75		12.75	
78	80		Sqm	1	2.00	0.75		1.50	
92	99		Sqm	1	7.00	0.75		5.25	
105	109		Sqm	1	4.00	0.75		3.00	
109	114.1		Sqm	1	5.10	0.75		3.83	
116	125		Sqm	1	9.00	0.75		6.75	
129	139		Sqm	1	10.00	0.75		7.50	
145	149.3		Sqm	1	4.30	0.75		3.23	
153	159		Sqm	1	6.00	0.75		4.50	
		Cross Road							
2	9		Sqm	1	7.00	0.90		6.30	
33	42		Sqm	1	9.00	0.90		8.10	
52	69		Sqm	1	17.00	0.90		15.30	

Contactor



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Assistant Engineer

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A.E.E.
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
78	80		Sqm	1	2.00	0.90		1.80	
92	99		Sqm	1	7.00	0.90		6.30	
105	109		Sqm	1	4.00	0.90		3.60	
109	114.1		Sqm	1	5.10	0.90		4.59	
116	125		Sqm	1	9.00	0.90		8.10	
129	139		Sqm	1	10.00	0.90		9.00	
145	149.3		Sqm	1	4.30	0.90		3.87	
153	159		Sqm	1	6.00	0.90		5.40	
		Cross Road							
8	13		Sqm	1	5.00	0.90		4.50	
22	28		Sqm	1	6.00	0.90		5.40	
45	49		Sqm	1	4.00	0.90		3.60	
76	83		Sqm	1	7.00	0.90		6.30	
94	99		Sqm	1	5.00	0.90		4.50	
105	113		Sqm	1	8.00	0.90		7.20	
133	141.2		Sqm	1	8.20	0.90		7.38	
148	152		Sqm	1	4.00	0.90		3.60	
154	159		Sqm	1	5.00	0.90		4.50	
158	172		Sqm	1	14.00	0.90		12.60	
173	184		Sqm	1	11.00	0.90		9.90	
190	193		Sqm	1	3.00	0.90		2.70	
194	214		Sqm	1	20.00	0.90		18.00	
216	222		Sqm	1	6.00	0.90		5.40	
Total								315.39	

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Assistant Engineer

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A.E.E
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.02		Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and the directions of Engineer in-charge							
Measurement Recorded on									
		New Drain							
		Main Road							
		Maruthi Hospital Road(Swd Drain to dead end)							
		Left Side							
0	30		Cum	1	30.00	1.20	1.00	36.00	
30	57.9		Cum	1	27.90	1.20	1.00	33.48	
63	93	(57.9 to 63 no Drain)	Cum	1	30.00	1.20	1.00	36.00	
93	109.7		Cum	1	16.70	1.20	1.00	20.04	
		Right side				1.20			
0	10		Cum	1	10.00	1.20	1.00	12.00	
10	20.4		Cum	1	10.40	1.20	1.00	12.48	
20.4	50.4		Cum	1	30.00	1.20	1.00	36.00	
50.4	80.4		Cum	1	30.00	1.20	1.00	36.00	
80.4	110.4		Cum	1	30.00	1.20	1.00	36.00	
110.4	117.1		Cum	1	6.70	1.20	1.00	8.04	
		Paralell to Swd Drain							
		Right side							
0	30		Cum	1	30.00	1.10	1.00	33.00	
30	37.55		Cum	1	7.55	1.10	1.00	8.31	
		Sarswathi Nilaya Road							
		Left Side							
0	30		Cum	1	30.00	1.10	1.00	33.00	
30	32.9		Cum	1	2.90	1.10	1.00	3.19	
		Right Side							
0	30		Cum	1	30.00	0.95	1.00	28.50	
30	44.5		Cum	1	14.50	0.95	1.00	13.78	
		Lakshmikantamma house Road (Main Road to Swd Drain)							

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MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Left Side							
0	29.4		Cum	1	29.40	1.10	1.00	32.34	
30	60	(29.4 to 30 Culvert Went)	Cum	1	30.00	1.10	1.00	33.00	
60	68.6		Cum	1	8.60	1.10	1.00	9.46	
		Right side							
0	19.2		Cum	1	19.20	0.95	1.00	18.24	
		Cross Road (Gundu Muneshwara house)							
		Left Side							
0	27.5		Cum	1	27.50	1.10	1.00	30.25	
		Right side							
0	28		Cum	1	28.00	1.10	1.00	30.80	
		Cross Road							
0	15		Cum	1	15.00	0.90	0.80	10.80	
15	30		Cum	1	15.00	0.90	0.80	10.80	
30	45		Cum	1	15.00	0.90	0.80	10.80	
45	60		Cum	1	15.00	0.90	0.80	10.80	
60	75		Cum	1	15.00	0.90	0.80	10.80	
		New Culvert							
		Main Road Maruthi Hospital Road							
			Cum	1	6.10	1.60	1.10	10.74	
		Sarswathi Nilaya Road							
			Cum	1	6.10	1.60	1.10	10.74	
		Drain Desilt							
		Cross Road to Swd Drain)							
		Left Side							
0	13		Cum	1	13.00	0.45	0.50	2.93	
		Right side							
0	11		Cum	1	11.00	0.45	0.50	2.48	
		Munithimmayya layout							
		LHS							
0	15		Cum	1	15.00	0.60	0.40	3.60	

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Chainage		MEASUREMENT SHEET - 1st and FINAL BILL							
From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
15	30		Cum	1	15.00	0.60	0.40	3.60	
30	50		Cum	1	20.00	0.60	0.40	4.80	
50	56.5		Cum	1	6.50	0.60	0.40	1.56	
56.5	74.5		Cum	1	18.00	0.60	0.40	4.32	
74.5	101.5		Cum	1	27.00	0.60	0.40	6.48	
101.5	119.9		Cum	1	18.40	0.60	0.40	4.42	
119.9	144.9		Cum	1	25.00	0.60	0.40	6.00	
144.9	153.4		Cum	1	8.50	0.60	0.40	2.04	
153.4	162.4		Cum	1	9.00	0.60	0.40	2.16	
162.4	173		Cum	1	10.60	0.60	0.40	2.54	
173	186		Cum	1	13.00	0.60	0.40	3.12	
186	200		Cum	1	14.00	0.60	0.40	3.36	
200	215.6		Cum	1	15.60	0.60	0.40	3.74	
215.6	233.7		Cum	1	18.10	0.60	0.40	4.34	
		RHS							
0	18		Cum	1	18.00	0.60	0.40	4.32	
18	48		Cum	1	30.00	0.60	0.40	7.20	
48	73		Cum	1	25.00	0.60	0.40	6.00	
73	81.5		Cum	1	8.50	0.60	0.40	2.04	
81.5	86		Cum	1	4.50	0.60	0.40	1.08	
86	90.5		Cum	1	4.50	0.60	0.40	1.08	
90.5	101.1		Cum	1	10.60	0.60	0.40	2.54	
101.1	114.1		Cum	1	13.00	0.60	0.40	3.12	
114.1	128.1		Cum	1	14.00	0.60	0.40	3.36	
128.1	143.7		Cum	1	15.60	0.60	0.40	3.74	
143.7	149.3		Cum	1	5.60	0.60	0.40	1.34	
149.3	161.6		Cum	1	12.30	0.60	0.40	2.95	
		Cross Road							
0	15		Cum	1	15.00	0.60	0.40	3.60	
15	30		Cum	1	15.00	0.60	0.40	3.60	
30	45		Cum	1	15.00	0.60	0.40	3.60	
45	60		Cum	1	15.00	0.60	0.40	3.60	
60	75		Cum	1	15.00	0.60	0.40	3.60	
75	90		Cum	1	15.00	0.60	0.40	3.60	
90	105		Cum	1	15.00	0.60	0.40	3.60	
105	120		Cum	1	15.00	0.60	0.40	3.60	
120	135		Cum	1	15.00	0.60	0.40	3.60	
135	150		Cum	1	15.00	0.60	0.40	3.60	
150	160		Cum	1	10.00	0.60	0.40	2.40	
		Cross Road							

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MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	15		Cum	1	15.00	0.45	0.35	2.36	
15	30		Cum	1	15.00	0.45	0.35	2.36	
30	45		Cum	1	15.00	0.45	0.35	2.36	
45	60		Cum	1	15.00	0.45	0.35	2.36	
60	75		Cum	1	15.00	0.45	0.35	2.36	
75	90		Cum	1	15.00	0.45	0.35	2.36	
90	105		Cum	1	15.00	0.45	0.35	2.36	
105	120		Cum	1	15.00	0.45	0.35	2.36	
120	135		Cum	1	15.00	0.45	0.35	2.36	
135	142		Cum	1	7.00	0.45	0.35	1.10	
Total								776.41	
Quantity Limited to								722.56	

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Assistant Engineer

Assistant Executive Engineer

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MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.03					Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and the directions of Engineer in-charge				
Measurement Recorded on									
		Main Road							
		Maruthi Hospital							
		Road(Swd Drain							
		to dead end)							
		Left Side							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	57.9		Cum	1	27.90	1.10	0.15	4.60	
63	93	(57.9 to 63 no	Cum	1	30.00	1.10	0.15	4.95	
		Drain)							
93	109.7		Cum	1	16.70	1.10	0.15	2.76	
		Right side							
0	10		Cum	1	10.00	1.10	0.15	1.65	
10	20.4		Cum	1	10.40	1.10	0.15	1.72	
20.4	50.4		Cum	1	30.00	1.10	0.15	4.95	
50.4	80.4		Cum	1	30.00	1.10	0.15	4.95	
80.4	110.4		Cum	1	30.00	1.10	0.15	4.95	
110.4	117.1		Cum	1	6.70	1.10	0.15	1.11	
		Paralell to Swd							
		Drain							
		Right side							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	37.55		Cum	1	7.55	1.10	0.15	1.25	
		Sarswathi Nilaya							
		Road							
		Left Side							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	32.9		Cum	1	2.90	1.10	0.15	0.48	
		Right Side							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	44.5		Cum	1	14.50	1.10	0.15	2.39	

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Assistant Engineer

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A.E.E
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MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Lakshmikantamma house Road (Main Road to Swd Drain)							
		Left Side							
0	29.4		Cum	1	29.40	1.10	0.15	4.85	
30	60	(29.4 to 30 Culvert Went)	Cum	1	30.00	1.10	0.15	4.95	
60	68.6		Cum	1	8.60	1.10	0.15	1.42	
		Right side							
0	19.2		Cum	1	19.20	1.10	0.15	3.17	
		Cross Road (Gundu Muneshwara house)							
		Left Side							
0	27.5		Cum	1	27.50	1.10	0.15	4.54	
		Right side							
0	28		Cum	1	28.00	1.10	0.15	4.62	
		Cross Road							
0	15		Cum	1	15.00	0.90	0.15	2.03	
15	30		Cum	1	15.00	0.90	0.15	2.03	
30	45		Cum	1	15.00	0.90	0.15	2.03	
45	60		Cum	1	15.00	0.90	0.15	2.03	
60	75		Cum	1	15.00	0.90	0.15	2.03	
		New Culvert							
		Main Road							
		Maruthi Hospital Road							
			Cum	1	6.10	1.50	0.15	1.37	
		Sarawathi Nilaya Road							
			Cum	1	6.10	1.50	0.15	1.37	
		For Road							
		Paralell to Swd Drain							
0	24.2		Cum	1	24.20	5.03	0.15	18.26	
0	17.5		Cum	1	17.50	6.20	0.15	16.28	
17.5	19.5		Cum	1	2.00	6.80	0.15	2.04	

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A.E.E.
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MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Sarswathi Nilaya Road							
0	16		Cum	1	16.00	4.70	0.15	11.28	
0	30		Cum	1	30.00	5.93	0.15	26.66	
30	35		Cum	1	5.00	5.85	0.15	4.39	
		Lakshmikantamma house Road (Main Road to Swd Drain)							
0	19.4		Cum	1	19.40	5.00	0.15	14.55	
0	18.55		Cum	1	18.55	5.80	0.15	16.14	
		Cross Road (Gundu Muneshwara house)							
0	28		Cum	1	28.00	4.15	0.15	17.43	
		Cross Road							
0	15		Cum	1	15.00	5.20	0.150	11.70	
15	30		Cum	1	15.00	4.95	0.150	11.14	
30	45		Cum	1	15.00	4.20	0.150	9.45	
45	60		Cum	1	15.00	3.90	0.150	8.78	
60	75		Cum	1	15.00	4.15	0.150	9.34	
75	81.8		Cum	1	6.80	4.20	0.150	4.28	
		Culvert Ramp							
			Cum	2	6.10	1.25	0.150	2.29	
		For Kerb							
		Main Road							
		Maruthi Hospital Road							
		LHS							
			Cum	1	10.40	0.20	0.10	0.21	
			Cum	1	30.00	0.20	0.10	0.60	
			Cum	1	27.00	0.20	0.10	0.54	
			Cum	1	30.00	0.20	0.10	0.60	
			Cum	1	6.70	0.20	0.10	0.13	
		RHS							

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Assistant Engineer
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A.E.E
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MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
			Cum	1	30.00	0.20	0.10	0.60	
			Cum	1	2.60	0.20	0.10	0.05	
			Cum	1	25.90	0.20	0.10	0.52	
			Cum	1	24.50	0.20	0.10	0.49	
			Cum	1	9.50	0.20	0.10	0.19	
		Cross Road							
0	15		Sqm	1	15.00	0.20	0.10	0.30	
15	30		Sqm	1	15.00	0.20	0.10	0.30	
30	45		Sqm	1	15.00	0.20	0.10	0.30	
45	60		Sqm	1	15.00	0.20	0.10	0.30	
60	75		Sqm	1	15.00	0.20	0.10	0.30	
75	90		Sqm	1	15.00	0.20	0.10	0.30	
90	105		Sqm	1	15.00	0.20	0.10	0.30	
105	120		Sqm	1	15.00	0.20	0.10	0.30	
120	135		Sqm	1	15.00	0.20	0.10	0.30	
135	150		Sqm	1	15.00	0.20	0.10	0.30	
150	165		Sqm	1	15.00	0.20	0.10	0.30	
165	180		Sqm	1	15.00	0.20	0.10	0.30	
180	195		Sqm	1	15.00	0.20	0.10	0.30	
195	210		Sqm	1	15.00	0.20	0.10	0.30	
210	225		Sqm	1	15.00	0.20	0.10	0.30	
		Cross Road							
0	15		Sqm	1	15.00	0.20	0.10	0.30	
15	30		Sqm	1	15.00	0.20	0.10	0.30	
30	45		Sqm	1	15.00	0.20	0.10	0.30	
45	60		Sqm	1	15.00	0.20	0.10	0.30	
60	75		Sqm	1	15.00	0.20	0.10	0.30	
75	90		Sqm	1	15.00	0.20	0.10	0.30	
90	105		Sqm	1	15.00	0.20	0.10	0.30	
105	120		Sqm	1	15.00	0.20	0.10	0.30	
120	135		Sqm	1	15.00	0.20	0.10	0.30	
135	150		Sqm	1	15.00	0.20	0.10	0.30	
150	165		Sqm	1	15.00	0.20	0.10	0.30	
165	180		Sqm	1	15.00	0.20	0.10	0.30	
180	195		Sqm	1	15.00	0.20	0.10	0.30	
195	210		Sqm	1	15.00	0.20	0.10	0.30	
210	225		Sqm	1	15.00	0.20	0.10	0.30	
225	240		Sqm	1	15.00	0.20	0.10	0.30	
240	255		Sqm	1	15.00	0.20	0.10	0.30	
255	270		Sqm	1	15.00	0.20	0.10	0.30	

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A.E.E.
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
270	285		Sqm	1	15.00	0.20	0.10	0.30	
285	300		Sqm	1	15.00	0.20	0.10	0.30	
300	315		Sqm	1	15.00	0.20	0.10	0.30	
315	330		Sqm	1	15.00	0.20	0.10	0.30	
		Cross Road							
0	15		Sqm	1	15.00	0.20	0.10	0.30	
15	30		Sqm	1	15.00	0.20	0.10	0.30	
30	45		Sqm	1	15.00	0.20	0.10	0.30	
45	60		Sqm	1	15.00	0.20	0.10	0.30	
60	75		Sqm	1	15.00	0.20	0.10	0.30	
75	90		Sqm	1	15.00	0.20	0.10	0.30	
90	105		Sqm	1	15.00	0.20	0.10	0.30	
105	120		Sqm	1	15.00	0.20	0.10	0.30	
120	135		Sqm	1	15.00	0.20	0.10	0.30	
135	150		Sqm	1	15.00	0.20	0.10	0.30	
150	165		Sqm	1	15.00	0.20	0.10	0.30	
		Cross Road							
0	15		Sqm	1	15.00	0.20	0.10	0.30	
15	30		Sqm	1	15.00	0.20	0.10	0.30	
30	45		Sqm	1	15.00	0.20	0.10	0.30	
45	60		Sqm	1	15.00	0.20	0.10	0.30	
60	69.3		Sqm	1	9.30	0.20	0.10	0.19	
Total								295.67	
Quantity Limited To								283.75	

Contactor



[Signature]
Assistant Engineer

[Signature]
A.E.E
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No 4		Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering, cost of materials, HOM of Machinery, Curing Etc., Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification and the directions of Engineer in-charge							
Measurement Recorded on									
		Bottom Raff							
		Main Road							
		Maruthi Hospital Road(Swd Drain to dead end)							
		Left Side							
0	30		Cum	1	30.00	1.00	0.15	4.50	
30	57.9		Cum	1	27.90	1.00	0.15	4.19	
63	93	(57.9 to 63 no Drain)	Cum	1	30.00	1.00	0.15	4.50	
93	109.7		Cum	1	16.70	1.00	0.15	2.51	
		Right side							
0	10		Cum	1	10.00	1.00	0.15	1.50	
10	20.4		Cum	1	10.40	1.00	0.15	1.56	
20.4	50.4		Cum	1	30.00	1.00	0.15	4.50	
50.4	80.4		Cum	1	30.00	1.00	0.15	4.50	
80.4	110.4		Cum	1	30.00	1.00	0.15	4.50	
110.4	117.1		Cum	1	6.70	1.00	0.15	1.01	
		Paralell to Swd Drain							
		Right side							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	37.55		Cum	1	7.55	1.10	0.15	1.25	
		Sarswathi Nilaya Road							
		Left Side							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	32.9		Cum	1	2.90	1.10	0.15	0.48	
		Right Side							
0	30		Cum	1	30.00	1.10	0.15	4.95	
30	44.5		Cum	1	14.50	1.10	0.15	2.39	

Contactor



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Assistant Engineer

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A.E.E.
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Lakshmikantamma house Road (Main Road to Swd Drain)							
		Left Side							
0	29.4		Cum	1	29.40	1.10	0.15	4.85	
30	60	(29.4 to 30 Culvert Went)	Cum	1	30.00	1.10	0.15	4.95	
60	68.6		Cum	1	8.60	1.10	0.15	1.42	
		Right side							
0	19.2		Cum	1	19.20	1.10	0.15	3.17	
		Cross Road (Gundu Muneshwara house)							
		Left Side							
0	27.5		Cum	1	27.50	1.10	0.15	4.54	
		Right side							
0	28		Cum	1	28.00	1.10	0.15	4.62	
		New Culvert							
		Main Road Maruthi Hospital Road							
			Cum	1	6.10	1.20	0.20	1.46	
		Sarawathi Nilaya Road							
			Cum	1	6.10	1.20	0.20	1.46	
		Side wall							
		Main Road Maruthi Hospital Road (Swd Drain to dead end)							
		Left Side							
0	30		Cum	2	30.00	0.15	0.60	5.40	
30	57.9		Cum	2	27.90	0.15	0.60	5.02	
63	93	(57.9 to 63 no Drain)	Cum	2	30.00	0.15	0.60	5.40	
93	109.7		Cum	2	16.70	0.15	0.60	3.01	
		Right side							
0	10		Cum	2	10.00	0.15	0.50	1.50	

Contactor



[Signature]
Assistant Engineer

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A.E.E.
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
10	20.4		Cum	2	10.40	0.15	0.50	1.56	
20.4	50.4		Cum	2	30.00	0.15	0.55	4.95	
50.4	80.4		Cum	2	30.00	0.18	0.60	5.40	
80.4	110.4		Cum	2	30.00	0.15	0.60	5.40	
110.4	117.1		Cum	2	6.70	0.15	0.60	1.21	
		Paralell to Swd Drain							
		Right side							
0	30		Cum	2	30.00	0.15	0.60	5.40	
30	37.55		Cum	2	7.55	0.15	0.70	1.59	
		Sarswathi Nilaya Road							
		Left Side							
0	30		Cum	2	30.00	0.15	0.60	5.40	
30	32.9		Cum	2	2.90	0.15	0.60	0.52	
		Right Side							
0	30		Cum	2	30.00	0.18	0.60	5.40	
30	44.5		Cum	2	14.50	0.15	0.60	2.61	
		Lakshmikantamma house Road (Main Road to Swd Drain)							
		Left Side							
0	29.4		Cum	2	29.40	0.15	0.68	5.73	
30	60	(29.4 to 30 Culvert Went)	Cum	2	30.00	0.15	0.60	5.40	
60	68.6		Cum	2	8.60	0.15	0.65	1.68	
		Right side							
0	19.2		Cum	2	19.20	0.15	0.60	3.46	
		Cross Raod (Gundu Muneshwara house)							
		Left Side							
0	27.5		Cum	2	27.50	0.15	0.60	4.95	
		Right side							
0	28		Cum	2	28.00	0.15	0.60	5.04	
		Munithimmayya layout							
		LHS							

Contractor



[Signature]
Assistant Engineer

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A.E.E.
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	15		Cum	2	15.00	0.15	0.15	0.68	
15	30		Cum	2	15.00	0.15	0.15	0.68	
30	50		Cum	2	20.00	0.15	0.15	0.90	
50	56.5		Cum	2	6.50	0.15	0.15	0.29	
56.5	74.5		Cum	2	18.00	0.15	0.15	0.81	
74.5	101.5		Cum	2	27.00	0.15	0.15	1.22	
101.5	119.9		Cum	2	18.40	0.15	0.15	0.83	
119.9	144.9		Cum	2	25.00	0.15	0.15	1.13	
144.9	153.4		Cum	2	8.50	0.15	0.15	0.38	
153.4	162.4		Cum	2	9.00	0.15	0.15	0.41	
162.4	173		Cum	2	10.60	0.15	0.15	0.48	
173	186		Cum	2	13.00	0.15	0.15	0.59	
186	200		Cum	2	14.00	0.15	0.15	0.63	
200	215.6		Cum	2	15.60	0.15	0.15	0.70	
215.6	233.7		Cum	2	18.10	0.15	0.15	0.81	
		RHS							
0	18		Cum	2	18.00	0.15	0.15	0.81	
18	48		Cum	2	30.00	0.15	0.15	1.35	
48	73		Cum	2	25.00	0.15	0.15	1.13	
73	81.5		Cum	2	8.50	0.15	0.15	0.38	
81.5	86		Cum	2	4.50	0.15	0.15	0.20	
86	90.5		Cum	2	4.50	0.15	0.15	0.20	
90.5	101.1		Cum	2	10.60	0.15	0.15	0.48	
101.1	114.1		Cum	2	13.00	0.15	0.15	0.59	
114.1	128.1		Cum	2	14.00	0.15	0.15	0.63	
128.1	143.7		Cum	2	15.60	0.15	0.15	0.70	
143.7	149.3		Cum	2	5.60	0.15	0.15	0.25	
149.3	161.6		Cum	2	12.30	0.15	0.15	0.55	
		New Culvert							
		Main Road							
		Maruthi Hospital Road							
			Cum	2	6.10	0.20	0.60	1.46	
		Sarawathi Nilaya Road							
			Cum	2	6.10	0.20	0.60	1.46	
Total								185.43	
Quantity Limited To								185.22	

Contractor



[Signature]
Assistant Engineer

[Signature]
A.E.E.
Assistant Executive Engineer

Measurements Taken On :
MEASUREMENT SHEET - 1ST & Final Bill

STEEL CALCULATION

SI NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Item no.05	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and the directions of Engineer in-charge								
	Main Road Maruthi Hospital Road(Swd Drain to dead end)								
	LHS								
	Main Bars (#12@100 c/c)	1	12	1052	1052	2.50	2630.00	0.887814	2334.95
	Distribution(9-#8)	1	10	11	11	104.60	1150.60	0.616538	709.39
	RHS								
	Main Bars (#12@100 c/c)	1	12	1179	1179	2.60	3065.40	0.887814	2721.51
	Distribution(9-#8)	1	10	11	11	117.10	1288.10	0.616538	794.16
	Kondappa layout								
	Paralell to Swd Drain								
	Main Bars (#12@100 c/c)	1	12	384	384	2.70	1036.80	0.887814	920.49
	Distribution(9-#8)	1	10	11	11	37.50	412.50	0.616538	254.32
	Sarswathi Nilaya Road								
	Left Side								
	Main Bars (#12@100 c/c)	1	12	330	330	2.60	858.00	0.887814	761.74
	Distribution(9-#8)	1	10	11	11	32.90	361.90	0.616538	223.12
	Right Side								
	Main Bars (#12@100 c/c)	1	12	446	446	2.60	1159.60	0.887814	1029.51
	Distribution(9-#8)	1	10	11	11	44.50	489.50	0.616538	301.80
	Lakshmikantamma house Road (Main Road to Swd Drain)								
	Left Side								
	Main Bars (#12@100 c/c)	1	12	681	681	2.66	1811.46	0.887814	1608.24
	Distribution(9-#8)	1	10	11	11	68.00	748.00	0.616538	461.17
	RHS								
	Main Bars (#12@100 c/c)	1	12	193	193	2.35	453.55	0.887814	402.67
	Distribution(9-#8)	1	10	11	11	19.20	211.20	0.616538	130.21
	Cross Raod (Gundu Muneshwara house)								

Contractor



Assistant Engineer

Assistant Executive Engineer

Left Side									
Main Bars (#12@100 c/c)	1	12	276	276	2.60	717.60	0.887814	637.10	
Distribution(9-#8)	1	10	11	11	27.50	302.50	0.616538	186.50	
RHS									
Main Bars (#12@100 c/c)	1	12	281	281	2.70	758.70	0.887814	673.58	
Distribution(9-#8)	1	10	11	11	28.00	308.00	0.616538	189.89	
Munithimmayya layout									
Left Side									
Main Bars (#12@100 c/c)	2	12	2338	4676	0.15	701.40	0.887814	622.71	
Distribution(9-#8)	2	8	2	4	233.70	934.80	0.394584	368.86	
RHS									
Main Bars (#12@100 c/c)	2	12	1617	3234	0.15	485.10	0.887814	430.68	
Distribution(9-#8)	2	8	2	4	161.60	646.40	0.394584	255.06	
Culvert									
Main Road Maruthi Hospital Road									
side wall									
Main Bars outer face (#12@100 c/c)	1	12	62	62	2.80	173.60	0.887814	154.12	
Main Bars inner face (#12@100 c/c)	1	12	62	62	2.40	148.80	0.887814	132.11	
Distribution									
side walls(8#10)	4	10	10	40	0.80	32.00	0.616538	19.73	
bottom slab(8#10)	2	10	10	20	1.20	24.00	0.616538	14.80	
Sarawathi Nilaya Road									
side wall									
Main Bars outer face (#12@100 c/c)	1	12	62	62	2.80	173.60	0.887814	154.12	
Main Bars inner face (#12@100 c/c)	1	12	62	62	2.40	148.80	0.887814	132.11	
Distribution									
side walls(8#10)	4	10	10	40	0.80	32.00	0.616538	19.73	
bottom slab(8#10)	2	10	10	20	1.20	24.00	0.616538	14.80	
TOTAL QTY IN KG'S								13294.08	
TOTAL QTY IN TONNE								(13.29)	
Quantity Limited to								13.28	

Contractor



Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.06		Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)							
		Main Road							
		Maruthi Hospital							
		Road(Swd Drain							
		to dead end)							
		Left Side							
0	30		Sqm	1	30.00	0.90		27.00	
30	57.9		Sqm	1	27.90	0.90		25.11	
63	93	(57.9 to 63 no	Sqm	1	30.00	0.90		27.00	
		Drain)							
93	109.7		Sqm	1	16.70	0.90		15.03	
		Right side							
0	10		Sqm	1	10.00	0.90		9.00	
10	20.4		Sqm	1	10.40	0.90		9.36	
20.4	50.4		Sqm	1	30.00	0.90		27.00	
50.4	80.4		Sqm	1	30.00	0.90		27.00	
80.4	110.4		Sqm	1	30.00	0.90		27.00	
110.4	117.1		Sqm	1	6.70	0.90		6.03	
		Paralell to Swd							
		Drain							
		Right side							
0	30		Sqm	1	30.00	0.90		27.00	
30	37.55		Sqm	1	7.55	0.90		6.80	
		Sarswathi Nilaya							
		Road							
		Left Side							
0	30		Sqm	1	30.00	0.75		22.50	
30	32.9		Sqm	1	2.90	0.75		2.18	
		Right Side							
0	30		Sqm	1	30.00	0.90		27.00	
30	44.5		Sqm	1	14.50	0.90		13.05	
		Lakshmikantamma							
		house Road (Main							
		Road to Swd							
		Drain)							
		Left Side							

Contactor



Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	29.4		Sqm	1	29.40	0.90		26.46	
30	60	(29.4 to 30 Culvert Went)	Sqm	1	30.00	0.90		27.00	
60	68.6		Sqm	1	8.60	0.90		7.74	
0	19.2	Right side	Sqm	1	19.20	0.90		17.28	
		Cross Road (Gundu Muneshwara house)							
		Left Side							
0	27.5		Sqm	1	27.50	0.90		24.75	
0	28	Right side	Sqm	1	28.00	0.90		25.20	
		Munithimmayya layout							
		LHS							
			Sqm	1	30.00	0.75		22.50	
			Sqm	1	15.00	0.75		11.25	
			Sqm	1	6.50	0.75		4.88	
			Sqm	1	27.00	0.75		20.25	
			Sqm	1	10.70	0.75		8.03	
			Sqm	1	3.10	0.75		2.33	
			Sqm	1	10.60	0.75		7.95	
			Sqm	1	12.00	0.75		9.00	
			Sqm	1	15.60	0.75		11.70	
			Sqm	1	15.00	0.75		11.25	
		RHS							
			Sqm	1	18.00	0.75		13.50	
			Sqm	1	30.00	0.75		22.50	
			Sqm	1	10.60	0.75		7.95	
			Sqm	1	10.00	0.75		7.50	
			Sqm	1	12.10	0.75		9.08	
			Sqm	1	12.30	0.75		9.23	
		Cross Road							
			Sqm	1	9.00	0.90		8.10	
			Sqm	1	17.00	0.90		15.30	
			Sqm	1	2.00	0.90		1.80	
			Sqm	1	7.00	0.90		6.30	
			Sqm	1	4.00	0.90		3.60	

Contactor



[Signature]
Assistant Engineer

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A.E.E
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL								
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity
From	To				(m)	(m)	(m)	
			Sqm	1	6.00	0.90		5.40
		Cross Road						
			Sqm	1	8.00	0.90		7.20
			Sqm	1	7.00	0.90		6.30
			Sqm	1	6.00	0.90		5.40
			Sqm	1	9.00	0.90		8.10
			Sqm	1	8.20	0.90		7.38
			Sqm	1	4.00	0.90		3.60
			Sqm	1	5.00	0.90		4.50
			Sqm	1	14.00	0.90		12.60
TOTAL								700.94

Contactor



Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.07		Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)							
		Culvert							
		New Culvert							
		Main Road							
		Maruthi Hospital Road							
			Sqm	1	6.10	1.20		7.32	
		Sarswathi Nilaya Road							
			Sqm	1	6.10	1.20		7.32	
		Cover Slab							
		Cross Road	Sqm	1	6.50	1.80		11.70	
TOTAL								26.34	

Contactor



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Assistant Engineer

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A.E.E
Assistant Executive Engineer

Chainage		MEASUREMENT SHEET - 1st and FINAL BILL							
From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.08		Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete. As per the direction of Engineer incharge							
		Main Road							
		Maruthi Hospital Road							
		LHS							
			Nos	1	10.40		/0.45	23.11	
			Nos	1	30.00		/0.45	66.67	
			Nos	1	27.00		/0.45	60.00	
			Nos	1	30.00		/0.45	66.67	
			Nos	1	6.70		/0.45	14.89	
		RHS							
			Nos	1	30.00		/0.45	66.67	
			Nos	1	2.60		/0.45	5.78	
			Nos	1	25.90		/0.45	57.56	
			Nos	1	24.50		/0.45	54.44	
			Nos	1	9.50		/0.45	21.11	
		Cross Road							
0	15		Nos	1	15.00		/0.45	33.33	
15	30		Nos	1	15.00		/0.45	33.33	
30	45		Nos	1	15.00		/0.45	33.33	
45	60		Nos	1	15.00		/0.45	33.33	
60	75		Nos	1	15.00		/0.45	33.33	
75	90		Nos	1	15.00		/0.45	33.33	
90	105		Nos	1	15.00		/0.45	33.33	
105	120		Nos	1	15.00		/0.45	33.33	
120	135		Nos	1	15.00		/0.45	33.33	
135	150		Nos	1	15.00		/0.45	33.33	
150	165		Nos	1	15.00		/0.45	33.33	
165	180		Nos	1	15.00		/0.45	33.33	
180	195		Nos	1	15.00		/0.45	33.33	
195	210		Nos	1	15.00		/0.45	33.33	
210	225		Nos	1	15.00		/0.45	33.33	
		Cross Road							
0	15		Nos	1	15.00		/0.45	33.33	
15	30		Nos	1	15.00		/0.45	33.33	

Contactor



[Signature]
Assistant Engineer

[Signature]
A.E.E
Assistant Executive Engineer

Chainage		MEASUREMENT SHEET - 1st and FINAL BILL							
From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
30	45		Nos	1	15.00		/0.45	33.33	
45	60		Nos	1	15.00		/0.45	33.33	
60	75		Nos	1	15.00		/0.45	33.33	
75	90		Nos	1	15.00		/0.45	33.33	
90	105		Nos	1	15.00		/0.45	33.33	
105	120		Nos	1	15.00		/0.45	33.33	
120	135		Nos	1	15.00		/0.45	33.33	
135	150		Nos	1	15.00		/0.45	33.33	
150	165		Nos	1	15.00		/0.45	33.33	
165	180		Nos	1	15.00		/0.45	33.33	
180	195		Nos	1	15.00		/0.45	33.33	
195	210		Nos	1	15.00		/0.45	33.33	
210	225		Nos	1	15.00		/0.45	33.33	
225	240		Nos	1	15.00		/0.45	33.33	
240	255		Nos	1	15.00		/0.45	33.33	
255	270		Nos	1	15.00		/0.45	33.33	
270	285		Nos	1	15.00		/0.45	33.33	
285	300		Nos	1	15.00		/0.45	33.33	
300	315		Nos	1	15.00		/0.45	33.33	
315	330		Nos	1	15.00		/0.45	33.33	
		Cross Road							
0	15		Nos	1	15.00		/0.45	33.33	
15	30		Nos	1	15.00		/0.45	33.33	
30	45		Nos	1	15.00		/0.45	33.33	
45	60		Nos	1	15.00		/0.45	33.33	
60	75		Nos	1	15.00		/0.45	33.33	
75	90		Nos	1	15.00		/0.45	33.33	
90	105		Nos	1	15.00		/0.45	33.33	
105	120		Nos	1	15.00		/0.45	33.33	
120	135		Nos	1	15.00		/0.45	33.33	
135	150		Nos	1	15.00		/0.45	33.33	
150	165		Nos	1	15.00		/0.45	33.33	
		Cross Road							
0	15		Nos	1	15.00		/0.45	33.33	
15	30		Nos	1	15.00		/0.45	33.33	
30	45		Nos	1	15.00		/0.45	33.33	
45	60		Nos	1	15.00		/0.45	33.33	
60	69.3		Nos	1	9.30		/0.45	20.67	
TOTAL								2191.00	



Contractor

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.09		Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification As per the direction of Engineer incharge							
		Main Road							
		Maruthi Hospital Road							
		LHS							
			Sqm	1	10.40	0.40		4.16	
			Sqm	1	30.00	0.40		12.00	
			Sqm	1	27.00	0.40		10.80	
			Sqm	1	30.00	0.40		12.00	
			Sqm	1	6.70	0.40		2.68	
		RHS							
			Sqm	1	30.00	0.40		12.00	
			Sqm	1	2.60	0.40		1.04	
			Sqm	1	25.90	0.40		10.36	
			Sqm	1	24.50	0.40		9.80	
			Sqm	1	9.50	0.40		3.80	
		Cross Road							
0	15		Sqm	1	15.00	0.40		6.00	
15	30		Sqm	1	15.00	0.40		6.00	
30	45		Sqm	1	15.00	0.40		6.00	
45	60		Sqm	1	15.00	0.40		6.00	
60	75		Sqm	1	15.00	0.40		6.00	
75	90		Sqm	1	15.00	0.40		6.00	
90	105		Sqm	1	15.00	0.40		6.00	
105	120		Sqm	1	15.00	0.40		6.00	
120	135		Sqm	1	15.00	0.40		6.00	
135	150		Sqm	1	15.00	0.40		6.00	
150	165		Sqm	1	15.00	0.40		6.00	
165	180		Sqm	1	15.00	0.40		6.00	
180	195		Sqm	1	15.00	0.40		6.00	
195	210		Sqm	1	15.00	0.40		6.00	
210	225		Sqm	1	15.00	0.40		6.00	
		Cross Road							
0	15		Sqm	1	15.00	0.40		6.00	
15	30		Sqm	1	15.00	0.40		6.00	
30	45		Sqm	1	15.00	0.40		6.00	
45	60		Sqm	1	15.00	0.40		6.00	



Contactor

Assistant Engineer

A.E.E
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
60	75		Sqm	1	15.00	0.40		6.00	
75	90		Sqm	1	15.00	0.40		6.00	
90	105		Sqm	1	15.00	0.40		6.00	
105	120		Sqm	1	15.00	0.40		6.00	
120	135		Sqm	1	15.00	0.40		6.00	
135	150		Sqm	1	15.00	0.40		6.00	
150	165		Sqm	1	15.00	0.40		6.00	
165	180		Sqm	1	15.00	0.40		6.00	
180	195		Sqm	1	15.00	0.40		6.00	
195	210		Sqm	1	15.00	0.40		6.00	
210	225		Sqm	1	15.00	0.40		6.00	
225	240		Sqm	1	15.00	0.40		6.00	
240	255		Sqm	1	15.00	0.40		6.00	
255	270		Sqm	1	15.00	0.40		6.00	
270	285		Sqm	1	15.00	0.40		6.00	
285	300		Sqm	1	15.00	0.40		6.00	
300	315		Sqm	1	15.00	0.40		6.00	
315	330		Sqm	1	15.00	0.40		6.00	
		Cross Road							
0	15		Sqm	1	15.00	0.40		6.00	
15	30		Sqm	1	15.00	0.40		6.00	
30	45		Sqm	1	15.00	0.40		6.00	
45	60		Sqm	1	15.00	0.40		6.00	
60	75		Sqm	1	15.00	0.40		6.00	
75	90		Sqm	1	15.00	0.40		6.00	
90	105		Sqm	1	15.00	0.40		6.00	
105	120		Sqm	1	15.00	0.40		6.00	
120	135		Sqm	1	15.00	0.40		6.00	
135	150		Sqm	1	15.00	0.40		6.00	
150	165		Sqm	1	15.00	0.40		6.00	
		Cross Road							
0	15		Sqm	1	15.00	0.40		6.00	
15	30		Sqm	1	15.00	0.40		6.00	
30	45		Sqm	1	15.00	0.40		6.00	
45	60		Sqm	1	15.00	0.40		6.00	
60	69.3		Sqm	1	9.30	0.40		3.72	
TOTAL								394.36	

Contactor



Assistant Engineer

Assistant Executive Engineer

A.E.E

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.10		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. As per the direction of Engineer incharge							
		Paralell to Swd Drain							
0	24.2		Cum	1	24.20	5.03	0.30	36.52	
0	17.5		Cum	1	17.50	6.20	0.30	32.55	
17.5	19.5		Cum	1	2.00	6.80	0.30	4.08	
		Sarswathi Nilaya Road							
0	16		Cum	1	16.00	4.70	0.30	22.56	
0	30		Cum	1	30.00	5.93	0.30	53.33	
30	35		Cum	1	5.00	5.85	0.30	8.78	
		Lakshmikantamma house Road (Main Road to Swd Drain)							
0	19.4		Cum	1	19.40	5.00	0.30	29.10	
0	18.55		Cum	1	18.55	5.80	0.30	32.28	
		Cross Raod (Gundu Muneshwara house)							
0	28		Cum	1	28.00	4.15	0.30	34.86	
		Cross Road							
0	15		Cum	1	15.00	5.20	0.30	23.40	
15	30		Cum	1	15.00	4.95	0.30	22.28	
30	45		Cum	1	15.00	4.20	0.30	18.90	
45	60		Cum	1	15.00	3.90	0.30	17.55	
60	75		Cum	1	15.00	4.15	0.30	18.68	
75	81.8		Cum	1	6.80	4.20	0.30	8.57	
TOTAL								363.41	

Contactor



[Signature]
Assistant Engineer

[Signature]
A.E.E
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.11					Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. As per the direction of Engineer incharge				
		Cross Road							
0	15		Cum	1	15.00	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.30	0.15	2.93	
45	60		Cum	1	15.00	1.20	0.15	2.70	
60	75		Cum	1	15.00	1.25	0.15	2.81	
75	81.8		Cum	1	6.80	1.25	0.15	1.28	
								15.11	

Contactor



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Assistant Engineer

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A.E.E
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.12		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications As per the direction of Engineer incharge							
		Paralell to Swd Drain							
0	24.2		Cum	1	24.20	1.00	0.15	3.63	✓
0	17.5		Cum	1	17.50	1.00	0.15	2.63	✓
17.5	19.5		Cum	1	2.00	1.00	0.15	0.30	✓
		Sarswathi Nilaya Road							
0	16		Cum	1	16.00	1.00	0.15	2.40	✓
0	30		Cum	1	30.00	1.00	0.15	4.50	✓
30	35		Cum	1	5.00	1.00	0.15	0.75	✓
		Lakshmikantamma house Road (Main Road to Swd Drain)							
0	19.4		Cum	1	19.40	1.00	0.15	2.91	✓
0	18.55		Cum	1	18.55	1.00	0.15	2.78	✓
		Cross Raod (Gundu Muneshwara house)							
0	28		Cum	1	28.00	1.10	0.15	4.62	✓
		Cross Road							
0	15		Cum	1	15.00	1.40	0.15	3.15	✓
15	30		Cum	1	15.00	1.50	0.15	3.38	✓
30	45		Cum	1	15.00	1.60	0.15	3.60	✓
45	60		Cum	1	15.00	1.40	0.15	3.15	✓
60	75		Cum	1	15.00	1.50	0.15	3.38	✓
75	81.8		Cum	1	6.80	1.50	0.15	1.53	✓
TOTAL								42.70	

Contractor



[Signature]
Assistant Engineer

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A.E.E.
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.13		Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum, Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermeable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charges of machineries, all lead & lift charges etc.,							
		Paralell to Swd Drain							
0	24.2		Cum	1	24.20	5.03	0.15	18.26	✓
0	17.5		Cum	1	17.50	6.20	0.15	16.28	✓
17.5	19.5		Cum	1	2.00	6.80	0.15	2.04	✓
		Sarswathi Nilaya Road							
0	16		Cum	1	16.00	4.70	0.15	11.28	✓
0	30		Cum	1	30.00	5.93	0.15	26.66	✓
30	35		Cum	1	5.00	5.85	0.15	4.39	✓
		Lakshmikantamma house Road (Main Road to Swd Drain)							
0	19.4		Cum	1	19.40	5.00	0.15	14.55	✓
0	18.55		Cum	1	18.55	5.80	0.15	16.14	✓
		Cross Raod (Gundu Muneshwara house)							

Contactor



David
Assistant Engineer

Amal
A.E.E
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL								
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity
From	To				(m)	(m)	(m)	
0	28		Cum	1	28.00	4.15	0.175	20.34
		Cross Road						
0	15		Cum	1	15.00	5.20	0.175	13.65
15	30		Cum	1	15.00	4.95	0.175	12.99
30	45		Cum	1	15.00	4.20	0.175	11.03
45	60		Cum	1	15.00	3.90	0.175	10.24
60	75		Cum	1	15.00	4.15	0.175	10.89
75	81.8		Cum	1	6.80	4.20	0.175	5.00
		Culvert Ramp						
			Cum	2	6.10	1.25	0.20	3.05
TOTAL								196.78

Contactor



[Signature]
Assistant Engineer

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A.E.E
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.14									
Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift									
		Paralell to Swd Drain							
0	24.2		Sqm	1	24.20	5.03		121.73	✓
0	17.5		Sqm	1	17.50	6.20		108.50	✓
17.5	19.5		Sqm	1	2.00	6.80		13.60	✓
		Sarswathi Nilaya Road							
0	16		Sqm	1	16.00	4.70		75.20	✓
0	30		Sqm	1	30.00	5.93		177.75	✓
30	35		Sqm	1	5.00	5.85		29.25	✓
		Lakshmikantamma house Road (Main Road to Swd Drain)							
0	19.4		Sqm	1	19.40	5.00		97.00	✓
0	18.55		Sqm	1	18.55	5.80		107.59	✓
		Cross Raod (Gundu Muneshwara house)							
0	28		Sqm	1	28.00	4.15		116.20	✓
		Cross Road							
0	15		Sqm	1	15.00	5.20		78.00	✓
15	30		Sqm	1	15.00	4.95		74.25	✓
30	45		Sqm	1	15.00	4.20		63.00	✓
45	60		Sqm	1	15.00	3.90		58.50	✓
60	75		Sqm	1	15.00	4.15		62.25	✓
75	81.8		Sqm	1	6.80	4.20		28.56	✓
TOTAL								1211.38	✓

Contactor



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Assistant Engineer

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A.E.E
Assistant Executive Engineer